

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	14	US-5824470-\$ DID OR US-5908692-\$ DID OR US-6270074-\$ DID OR US-6278231-\$ DID OR US-6437329-\$ DID OR US-6586095-\$ DID OR US-6756025-\$ DID OR US-6756795-\$ DID OR US-6803840-\$ DID OR US-6808746-\$ DID OR US-6846565-\$ DID OR US-6902720-\$ DID OR US-6962823-\$ DID OR US-6974706-\$ DID.	USPAT	OR	OFF	2006/05/26 11:47
L2	1	("20020040805").PN.	US-PGPUB; USPAT	OR	OFF	2006/05/26 11:48
L3	1	("20020187504").PN.	US-PGPUB; USPAT	OR	OFF	2006/05/26 11:48
L4	1	("20030032892").PN.	US-PGPUB; USPAT	OR	OFF	2006/05/26 11:48
L5	1	("20030048619").PN.	US-PGPUB; USPAT	OR	OFF	2006/05/26 11:48
L6	1	("20030073071").PN.	US-PGPUB; USPAT	OR	OFF	2006/05/26 11:49
L7	1	("20030113940").PN.	US-PGPUB; USPAT	OR	OFF	2006/05/26 11:49
L8	1	("20030124717").PN.	US-PGPUB; USPAT	OR	OFF	2006/05/26 11:49
L9	1	("20030134267").PN.	US-PGPUB; USPAT	OR	OFF	2006/05/26 11:49
L10	1	("20030135971").PN.	US-PGPUB; USPAT	OR	OFF	2006/05/26 11:49
L15	1	("20050037374").PN.	US-PGPUB; USPAT	OR	OFF	2006/05/26 11:50
L16	1	("20050072213").PN.	US-PGPUB; USPAT	OR	OFF	2006/05/26 11:50
L17	1	("20050100960").PN.	US-PGPUB; USPAT	OR	OFF	2006/05/26 11:50
L18	1	("20050101026").PN.	US-PGPUB; USPAT	OR	OFF	2006/05/26 11:50
L19	1	("20050253137").PN.	US-PGPUB; USPAT	OR	OFF	2006/05/26 11:51
L20	28	1 2 3 4 5 6 7 8 9 10 15 16 17 18 19	US-PGPUB; USPAT	OR	OFF	2006/05/26 12:53

## EAST Search History

L21	1	("5482601").PN.	USPAT	OR	OFF	2006/05/26 12:53
L22	1	("6063243").PN.	USPAT	OR	OFF	2006/05/26 12:53
L23	1	("6203814").PN.	USPAT	OR	OFF	2006/05/26 12:53
L24	3	21 22:23	USPAT	OR	OFF	2006/05/26 12:53
L25	19	sinw same (sensor or detector or chemical or biological)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/26 13:23
L26	172	438/962.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/26 13:23
L27	254	257/9.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/26 13:23
L28	298	257/34.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/26 13:23
L29	708	L26 L27 L28	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/26 13:23
L30	369	L29 and (wire or line or whisker)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/26 13:23
L31	32	((semiconductor WITH nanowire) same sensor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/26 13:24

## EAST Search History

L32	289	((NANO NEAR3 (wire or line or whisker)) OR NANOWIRE) WITH SENSOR)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/26 13:24
L33	1009	25 26 27 28 29 30 31 32	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/26 13:25
L34	241	33 and @pd>="20050301"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/26 15:01
L35	0	"Nakayama.in"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/26 15:02
L36	61179	Nakayama	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/26 15:02
L38	8268	36 and "2003"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/26 15:02
L39	0	36 and "2003001091"\$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/26 15:03
L40	26	"2003001091"\$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/26 15:05
L41	1	("2003001091").PN.	US-PGPUB; USPAT	OR	OFF	2006/05/26 15:30

## EAST Search History

L42	0	"E31.002"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/26 15:31
L43	0	"E31.003"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/26 15:41
L44	12	257/E31.003.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/26 15:42
L45	4	257/E31.002.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/26 15:42
S4	14	US-3873359-\$ DID. OR US-3873360-\$ DID. OR US-3900614-\$ DID. OR US-5252835-\$ DID. OR US-5512131-\$ DID. OR US-5537075-\$ DID. OR US-5581091-\$ DID. OR US-5726524-\$ DID. OR US-5840435-\$ DID. OR US-5864823-\$ DID. OR US-6159742-\$ DID. OR US-6190634-\$ DID. OR US-6559468-\$ DID. OR US-6716409-\$ DID.	USPAT	OR	OFF	2006/05/26 11:46
S6	1	US-20020084502-\$ DID.	US-PGPUB	OR	OFF	2005/01/25 10:43
S7	1	US-20020112814-\$ DID.	US-PGPUB	OR	OFF	2006/05/26 11:47
S8	1	US-20020122766-\$ DID.	US-PGPUB	OR	OFF	2005/01/25 10:44
S9	1	US-20020130311-\$ DID.	US-PGPUB	OR	OFF	2005/01/25 10:44
S10	1	US-20020130353-\$ DID.	US-PGPUB	OR	OFF	2005/01/25 10:44
S11	1	US-20020146714-\$ DID.	US-PGPUB	OR	OFF	2005/01/25 10:45
S12	1	US-20020172820-\$ DID.	US-PGPUB	OR	OFF	2005/01/25 10:45
S13	1	US-20020175408-\$ DID.	US-PGPUB	OR	OFF	2005/01/25 10:50
S14	1	US-20030089899-\$ DID.	US-PGPUB	OR	OFF	2005/01/25 10:45

## EAST Search History

S15	1	US-20030156992-\$ DID.	US-PGPUB	OR	OFF	2005/01/25 10:46
S16	1	US-20030186522-\$ DID.	US-PGPUB	OR	OFF	2005/01/25 10:46
S17	1	US-20030200521-\$ DID.	US-PGPUB	OR	OFF	2005/01/25 10:46
S18	1	US-20040005723-\$ DID.	US-PGPUB	OR	OFF	2005/01/25 10:46
S19	1	US-20040026684-\$ DID.	US-PGPUB	OR	OFF	2005/01/25 10:47
S20	1	US-20040095658-\$ DID.	US-PGPUB	OR	OFF	2005/01/25 10:47
S21	1	US-20040112964-\$ DID.	US-PGPUB	OR	OFF	2005/01/25 10:47
S22	1	US-20040118448-\$ DID.	US-PGPUB	OR	OFF	2005/01/25 10:48
S23	1	US-20040136866-\$ DID.	US-PGPUB	OR	OFF	2005/01/25 10:48
S24	1	US-20040146560-\$ DID.	US-PGPUB	OR	OFF	2005/01/25 10:49
S27	33	S4 S6 S7 S8 S9 S10 S11 S12 S13 S14 S15 S16 S17 S18 S19 S20 S21 S22 S23 S24	US-PGPUB; USPAT	OR	OFF	2005/01/25 12:30
S28	28	US-4673474-\$ DID. OR US-4939556-\$ DID. OR US-5089545-\$ DID. OR US-5274602-\$ DID. OR US-5453970-\$ DID. OR US-5475341-\$ DID. OR US-5589692-\$ DID. OR US-5640343-\$ DID. OR US-5739057-\$ DID. OR US-5747180-\$ DID. OR US-5751156-\$ DID. OR US-5830538-\$ DID. OR US-5847565-\$ DID. OR US-5858862-\$ DID. OR US-5897945-\$ DID. OR US-5903010-\$ DID. OR US-5997832-\$ DID. OR US-6036774-\$ DID. OR US-6038060-\$ DID. OR US-6060724-\$ DID. OR US-6069380-\$ DID. OR US-6128214-\$ DID. OR US-6143184-\$ DID. OR US-6149819-\$ DID. OR US-6203864-\$ DID. OR US-6256767-\$ DID. OR US-6325904-\$ DID. OR US-6528020-\$ DID.	US-PGPUB; USPAT	OR	OFF	2005/01/25 12:30
S29	61	S27 S28	US-PGPUB; USPAT	OR	OFF	2005/01/25 12:31
S30	3	S29 and ((semiconductor WITH nanowire) same sensor)	US-PGPUB; USPAT	OR	OFF	2006/03/15 10:44
S31	19	S29 and (nanowire or nano near wire)	US-PGPUB; USPAT	OR	OFF	2005/01/25 14:01

## EAST Search History

S32	26	((nanowire or nano near2 wire) with (semiconductor or si or silicon)) same (sensor or detector)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/26 18:49
S33	14	US-3873359-\$.DID. OR US-3873360-\$.DID. OR US-3900614-\$.DID. OR US-5252835-\$.DID. OR US-5512131-\$.DID. OR US-5537075-\$.DID. OR US-5581091-\$.DID. OR US-5726524-\$.DID. OR US-5840435-\$.DID. OR US-5864823-\$.DID. OR US-6159742-\$.DID. OR US-6190634-\$.DID. OR US-6559468-\$.DID. OR US-6716409-\$.DID.	USPAT	OR	OFF	2005/01/25 14:22
S34	1	US-20020084502-\$.DID.	US-PGPUB	OR	OFF	2005/01/25 14:22
S35	1	US-20020112814-\$.DID.	US-PGPUB	OR	OFF	2005/01/25 14:22
S36	1	US-20020122766-\$.DID.	US-PGPUB	OR	OFF	2005/01/25 14:22
S37	1	US-20020130311-\$.DID.	US-PGPUB	OR	OFF	2005/01/25 14:22
S38	1	US-20020130353-\$.DID.	US-PGPUB	OR	OFF	2005/01/25 14:22
S39	1	US-20020146714-\$.DID.	US-PGPUB	OR	OFF	2005/01/25 14:22
S40	1	US-20020172820-\$.DID.	US-PGPUB	OR	OFF	2005/01/25 14:22
S41	1	US-20020175408-\$.DID.	US-PGPUB	OR	OFF	2005/01/25 14:22
S42	1	US-20030089899-\$.DID.	US-PGPUB	OR	OFF	2005/01/25 14:22
S43	1	US-20030156992-\$.DID.	US-PGPUB	OR	OFF	2005/01/25 14:22
S44	1	US-20030186522-\$.DID.	US-PGPUB	OR	OFF	2005/01/25 14:22
S45	1	US-20030200521-\$.DID.	US-PGPUB	OR	OFF	2005/01/25 14:22
S46	1	US-20040005723-\$.DID.	US-PGPUB	OR	OFF	2005/01/25 14:22
S47	1	US-20040026684-\$.DID.	US-PGPUB	OR	OFF	2005/01/25 14:22
S48	1	US-20040095658-\$.DID.	US-PGPUB	OR	OFF	2005/01/25 14:22
S49	1	US-20040112964-\$.DID.	US-PGPUB	OR	OFF	2005/01/25 14:22
S50	1	US-20040118448-\$.DID.	US-PGPUB	OR	OFF	2005/01/25 14:22
S51	1	US-20040136866-\$.DID.	US-PGPUB	OR	OFF	2005/01/25 14:22
S52	1	US-20040146560-\$.DID.	US-PGPUB	OR	OFF	2005/01/25 14:22
S53	33	S33 S34 S35 S36 S37 S38 S39 S40 S41 S42 S43 S44 S45 S46 S47 S48 S49 S50 S51 S52	US-PGPUB; USPAT	OR	OFF	2005/01/25 14:22

## EAST Search History

S54	28	US-4673474-\$ DID. OR US-4939556-\$ DID. OR US-5089545-\$ DID. OR US-5274602-\$ DID. OR US-5453970-\$ DID. OR US-5475341-\$ DID. OR US-5589692-\$ DID. OR US-5640343-\$ DID. OR US-5739057-\$ DID. OR US-5747180-\$ DID. OR US-5751156-\$ DID. OR US-5830538-\$ DID. OR US-5847565-\$ DID. OR US-5858862-\$ DID. OR US-5897945-\$ DID. OR US-5903010-\$ DID. OR US-5997832-\$ DID. OR US-6036774-\$ DID. OR US-6038060-\$ DID. OR US-6060724-\$ DID. OR US-6069380-\$ DID. OR US-6128214-\$ DID. OR US-6143184-\$ DID. OR US-6149819-\$ DID. OR US-6203864-\$ DID. OR US-6256767-\$ DID. OR US-6325904-\$ DID. OR US-6528020-\$ DID.	US-PGPUB; USPAT	OR	OFF	2005/01/25 14:22
S55	61	S53 S54	US-PGPUB; USPAT	OR	OFF	2005/01/25 14:22
S56	13	sinw same (sensor or detector or chemical or biological)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/26 13:23
S57	0	("2000240152").PN.	US-PGPUB; USPAT	OR	OFF	2005/03/02 13:25
S61	0	977/dig1.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/02 13:26
S62	0	977/dig1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/02 13:26

## EAST Search History

S63	0	977/DIG1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/02 13:29
S64	0	977/DIG1.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/02 13:30
S65	146	438/962.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/15 10:45
S66	203	257/9.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/15 10:44
S67	291	257/34.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/15 10:44
S68	628	S65 S66 S67	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/02 13:33
S69	313	S68 and (wire or line or whisker)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/26 13:23
S70	1	("5539314").PN.	USPAT	OR	OFF	2005/03/02 18:28
S71	1	("5539214").PN.	USPAT	OR	OFF	2005/03/02 18:28
S72	1	("6503375").PN.	USPAT	OR	OFF	2005/08/23 13:30

## EAST Search History

S73	29	((semiconductor WITH nanowire) same sensor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/26 13:24
S74	239	257/9.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/15 11:26
S75	298	257/34.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/15 11:27
S76	162	438/962.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/15 11:27
S77	17	sinw same (sensor or detector or chemical or biological)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/15 10:45
S78	24	((NANO NEAR3 (wire or line or whisker)) WITH SENSOR)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/15 10:56
S79	261	(((NANO NEAR3 (wire or line or whisker)) OR NANOWIRE) WITH SENSOR)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/26 13:24
S80	1	("20020013031").PN.	US-PGPUB; USPAT	OR	OFF	2006/03/15 11:21
S81	1	("20020117659").PN.	US-PGPUB; USPAT	OR	OFF	2006/03/15 11:27
S84	1	("20030200521").PN.	US-PGPUB; USPAT	OR	OFF	2006/03/15 11:22

## EAST Search History

S85	1	("20040106203").PN.	US-PGPUB; USPAT	OR	OFF	2006/03/15 11:23
S86	1	("20040213307").PN.	US-PGPUB; USPAT	OR	OFF	2006/03/15 11:23
S87	1	("20050109989").PN.	US-PGPUB; USPAT	OR	OFF	2006/03/15 11:23
S88	1	("20050161662").PN.	US-PGPUB; USPAT	OR	OFF	2006/03/15 11:23
S89	1	("20050181587").PN.	US-PGPUB; USPAT	OR	OFF	2006/03/15 11:23
S90	1	("20050201149").PN.	US-PGPUB; USPAT	OR	OFF	2006/03/15 11:23
S91	1	("20050202615").PN.	US-PGPUB; USPAT	OR	OFF	2006/03/15 11:24
S92	1	("20050212079").PN.	US-PGPUB; USPAT	OR	OFF	2006/03/15 11:24
S93	1	("20050214967").PN.	US-PGPUB; USPAT	OR	OFF	2006/03/15 11:24
S94	1	("20050219788").PN.	US-PGPUB; USPAT	OR	OFF	2006/03/15 11:24
S95	1	("20050230356").PN.	US-PGPUB; USPAT	OR	OFF	2006/03/15 11:24
S96	1	("6872645").PN.	US-PGPUB; USPAT	OR	OFF	2006/03/15 11:24
S97	15	S80 S81 S84 S85 S86 S87 S88 S89 S90 S91 S92 S93 S94 S95 S96	US-PGPUB; USPAT	OR	OFF	2006/03/15 11:25
S98	280	257/12.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/15 11:26
S99	818	257/14.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/15 11:27
S100	2125	257/103.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/15 11:27

## EAST Search History

S10 1	1553	438/22.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/15 11:27
S10 2	79	977/700.CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/15 15:02
S10 3	37	977/762.CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/15 15:02
S10 4	115	977/932.CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/15 15:02
S10 5	32	977/953.CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/15 15:02
S10 6	9	977/957.CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/15 15:07
S10 7	19	977/958.CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/15 15:02
S10 8	838	257/414.CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/15 15:07